DEPARTMENT OF NATURAL RESOURCES
OLYMPIA, WASHINGTON
98504

2409327

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." in addition, complete the supplemental sheet for nonproject actions (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable: "DEEP SEA TED-91606" PROPOSED TIMBER HARVEST.

2. Name of applicant: RAINIER TIMBER CO., LLC

3. Address and phone number of applicant and contact person: 31716 CAMP ONE ROAD, ORTING, WA 98360. (360) 879-4200, ROBERT YAPP

4. Date checklist prepared: 6/20/03

5. Agency requesting checklist: DEPARTMENT OF NATURAL RESOURCES

6. Proposed timing or schedule (including phasing, if applicable):
   DURING THE PERIOD APPROXIMATELY AUGUST 2003 THROUGH JULY, 2005, ACTIVITY WILL ALIGN WITH APPROVAL AND DURATION OF FOREST PRACTICE APPLICATION.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

BRUSH CONTROL, REFORESTATION AND OTHER FOREST MANAGEMENT ACTIVITIES ASSOCIATED WITH PROPOSED HARVEST UNIT.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

ATTACHED TO THE FOREST PRACTICE APPLICATION ARE REPORTS PREPARED BY LAMANNA GEOSCIENCES INC.: *"GEOTECHNICAL REPORT, PROPOSED DEEP SEA TED HARVEST UNIT, PIERCE COUNTY, WASHINGTON", "SLOPE STABILITY MODEL RESULTS, INNER GORGE AT DEEP SEA TED PROPOSED HARVEST UNIT"* AND SUPPORTING INFORMATION AND STREAM TYPE UPDATE FORMS AND MAPS PREPARED BY TERRAPIN ENVIRONMENTAL, T. LOFGREN, IP PACIFIC TIMBERLANDS, INC. AND CHAMPION PACIFIC TIMBERLANDS, INC.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

NO

10. List any government approvals or permits that will be needed for your proposal, if known.

FOREST PRACTICE APPLICATION, POSSIBLE HYDRAULIC PROJECT APPROVAL

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

APPLICANT IS PROPOSING TO HARVEST APPROXIMATELY 74.2 ACRES OF 45 T0 55 YEAR OLD CONIFER AND DECIDUOUS TIMBER AND CONSTRUCT APPROXIMATELY 1,565 FEET OF GRAVEL LOGGING ROADS.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

PROPOSED HARVEST UNIT LOCATED IN PORTIONS OF SECTIONS 4 AND 9, TOWNSHIP 16 NORTH, RANGE 6 EAST, W.M., TWO EXISTING ROCK PITS MAY BE USED FOR BALLAST MATERIAL DURING ROAD CONSTRUCTION AND ARE LOCATED IN THE NW1/4, SECTION 10, TOWNSHIP 16 NORTH, RANGE 6 EAST, W.M. ADDITIONAL ROCK DEVELOPMENT POSSIBLE FROM AN ON-SITE SOURCE OR FROM A POSSIBLE SOURCE IMMEDIATELY ADJACENT TO PROPOSED HARVEST UNIT AND LOCATED IN THE NE1/4, SECTION 9, TOWNSHIP 16 NORTH, RANGE 6 EAST.

TO BE COMPLETED BY APPLICANT *EVALUATION FOR AGENCY USE ONLY*

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other . . . . . .

STEEP SLOPES.

b. What is the steepest slope on the site (approximate percent slope)? SOME SLOPE GRADIENTS ARE LOCALLY IN EXCESS OF 100%.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

SOILS FOUND ON THE SITE ARE DESCRIBED IN THE GEOTECHNICAL REPORT ATTACHED TO THE FOREST PRACTICE APPLICATION. ADDITIONAL SOIL DESCRIPTIONS CAN BE FOUND IN THE SLOPE STABILITY MODELING RESULTS AND SUPPORTING INFORMATION.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

REFER TO THE "*GEOTECHNICAL REPORT, PROPOSED DEEP SEA TED HARVEST UNIT, PIERCE COUNTY, WASHINGTON*", WRITTEN BY LAMANNA GEOSCIENCES INC., DATED JUNE 11, 2003 AND THE "SLOPE STABILITY MODELING RESULTS, INNER GORGE AT DEEP SEA TED PROPOSED HARVEST UNIT", ALSO WRITTEN BY LAMANNA GEOSCIENCES INC., DATED JULY 30, 2003.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

THE PURPOSE OF FILLING OR GRADING ON THE SITE WILL BE FOR ROAD CONSTRUCTION OF TWO LOGGING SPURS. APPROXIMATELY 1,410 CUBIC YARDS OF BALLAST MATERIAL WILL BE USED FOR SURFACING OF THESE SPUR ROADS. BALLAST MATERIAL FOR SURFACING WILL BE OBTAINED FROM TWO EXISTING PITS, FROM AN ON-SITE SOURCE LOCATED NEAR THE END OF ONE OF THE ROADS TO BE CONSTRUCTED OR FROM A ROCKY KNOB LOCATED IMMEDIATELY ADJACENT TO THE PROPOSED HARVEST UNIT.

APPROXIMATELY 3,150 CUBIC YARDS OF WASTE MATERIAL (SOIL AND ROCK) IS EXPECTED DURING EXCAVATION OF A PORTION OF THE ROAD SUBGRADE. TO AVOID SIDECASTING OF WASTE MATERIAL, MATERIAL WILL BE OVERHAULED TO A SUITABLE LOCATION OR ENDHAULED TO ONE OF TWO WASTE SITES WHERE IT WILL BE PILED.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

EROSION POTENTIAL EXISTS, PARTICULARLY IN AREAS OF STEEP SIDESLOPES IN THE AREA WHERE ROAD CONSTRUCTION AND HARVESTING WILL OCCUR DUE TO STORMWATER RUNOFF OVER EXPOSED SOILS. EROSION POTENTIAL ALSO EXISTS IN ASSOCIATION WITH PILED WASTE MATERIAL, ALSO DUE TO STORMWATER RUNOFF FROM THESE AREAS.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? ROCKED ROADS WILL CONSTITUTE APPROXIMATELY 0.9% OF THE AREA. SOME RUN-OFF FROM THESE ROADS WILL OCCUR, BUT THE ROAD SURFACES WILL NOT BE TOTALLY IMPERVIOUS.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

IN AREAS WHERE ROAD CONSTRUCTION WILL OCCUR, DITCHES, CROSS DRAIN CULVERTS AND DITCH OUTS AS WELL AS FULL BENCH/END HAUL CONSTRUCTION WILL BE UTILIZED TO REDUCE OR CONTROL EROSION.

WASTE SITES WILL BE PILED WITH SLOPES OF THE PILED MATERIAL NOT TO EXCEED 11/2:1. STRAW WILL BE SPREAD ON SPOILS MATERIAL PLACED AT WASTE SITES TO MINIMIZE EROSION POTENTIAL.

WHERE LOGGING WILL OCCUR ON STEEPER SLOPES, THE HARVEST SYSTEM WILL BE DESIGNED TO UTILIZE PARTIAL TO FULL SUSPENSION, WHEREVER POSSIBLE, TO MINIMIZE SOIL DISTURBANCE. LOGGING SLASH AND NATURAL GROUND VEGETATION WILL ALSO HELP REDUCE OR CONTROL EROSION. THE AREA WILL BE PLANTED WITH SEEDLINGS SHORTLY AFTER HARVEST AND AREAS THAT ARE DISTURBED WILL RE-VEGETATE WITH NATURAL VEGETATION ALREADY PRESENT.

HELICOPTER LOGGING IS PROPOSED ON A LARGE PORTION OF THE LANDSLIDES IDENTIFIED IN THE GEOTECHNICAL REPORT AS 20a, 20b, AND 20c, ALTHOUGH SOME CABLE LOGGING MAY OCCUR, PARTICULARLY ALONG THE NORTHWEST EDGE OF THESE FEATURES. WHERE HELICOPTER LOGGING IS EMPLOYED, LOGS WILL BE FULLY SUSPENDED DURING YARDING SUBSTANTIALLY REDUCING OR ELIMINATING THE POTENTIAL FOR EROSION. WHERE CABLE LOGGING IS EMPLOYED ON OR OVER THESE FEATURES, LEADING END SUSPENSION WILL BE UTILIZED. LOGS AND WOOD SLASH WILL BE PLACED ON THE GROUND IF FURROWING IS ANTICIPATED. OTHER MITIGATION MEASURES WILL BE CONSIDERED AND UTILIZED, IF NECESSARY. THESE MITIGATION MEASURES CONSIST OF PLACING STRAW BALES AND/OR LOGGING SLASH, INSTALLING WATER BARS AND/OR DITCHOUTS ON FURROWS, FILLING THE FURROWS WITH SOIL MATERIALS AND SEEDING WITH GRASS. THE MITIGATIONS MEASURES WILL BE IMPLEMENTED AS RECOMMENDED IN THE GEOTECHNICAL REPORT, PAGES 13 AND 14 OF 24, IF DEEP FURROWS ARE OBSERVED IN THE LANDSLIDES IDENTIFIED AS 20a, 20b AND 20c, ESPECIALLY FURROWS WHICH INTERCEPT GROUNDWATER.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

DIESEL AND GAS EMISSIONS FROM ROAD CONSTRUCTION AND HARVEST EQUIPMENT DURING OPERATION. SOME DUST MAY OCCUR FROM TRAVEL ON GRAVEL ROADS ON THE SITE. SMOKE FROM SLASH PILE BURNING MAY OCCUR AFTER HARVEST. QUANTITIES UNKNOWN.

b. Are there any off–site sources of emissions or odor that may affect your proposal? If so, generally describe.

NONE KNOWN

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

THE USE OF STANDARD EMISSION CONTROLLING DEVICES ON EQUIPMENT. SLASH PILES FREE OF DIRT AND OTHER INORGANIC DEBRIS.

3. Water

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year–round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

SEVERAL UNNAMED TYPE 4 AND 5 STREAMS FLOW THROUGH OR ADJACENT TO THE PROPOSED HARVEST UNIT BOUNDARY. TWO SMALL, FORESTED WETLAND AREAS ARE ALSO LOCATED WITHIN THE PROPOSED HARVEST UNIT BOUNDARY.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

FALLING AND BUCKING OF TIMBER TO BE REMOVED FROM THE SITE WILL OCCUR OVER, IN OR ADJACENT TO THE TYPE 4 AND 5 STREAMS AND THE FORESTED WETLANDS. DIRECTIONAL FELLING TECHNIQUES WILL BE UTILIZED TO FALL TIMBER AWAY FROM THE DESCRIBED WATERS, AS MUCH AS IS REASONABLY POSSIBLE, TO MINIMIZE THE NUMBER OF TREES WHICH FALL OVER OR IN SAID WATERS. DUE TO THE EXTENT OF BUFFERING ON THE TYPE 4 STREAMS AND THE USE OF DIRECTIONAL FELLING TECHNIQUES, VERY FEW IF ANY TREES ARE EXPECTED TO FALL OVER OR INTO TYPE 4 WATERS WITH THE EXCEPTION OF THE AREA WHERE YARDING CORRIDORS ARE PROPOSED.

YARDING OF THE TIMBER TO BE REMOVED FROM THE SITE BY GROUND BASED LOGGING SYSTEMS WILL OCCUR IN AND ADJACENT TO THE FORESTED WETLANDS. ENTRY INTO FORESTED WETLANDS WITH GROUND BASED LOGGING SYSTEMS WILL BE MINIMZED.

YARDING OF TIMBER TO BE REMOVED FROM THE SITE BY MEANS OF CABLE LOGGING SYSTEMS WILL OCCUR OVER, IN OR ADJACENT TO THE TYPE 5 STREAMS AND THE FORESTED WETLANDS AND ADJACENT TO TYPE 4 STREAMS. YARDING OF TIMBER WILL BE AWAY FROM THE DESCRIBED WATERS, AS MUCH AS IS REASONABLY POSSIBLE, TO MINIMIZE DISTURBANCE TO SAID WATERS. THE ONLY PROPOSED YARDING OF TIMBER ACROSS TYPE 4 STREAMS WILL OCCUR WITHIN THE PROPOSED YARDING CORRIDOR AREA AND IN THIS AREA, FULL LOG SUSPENSION WILL BE MAINTAINED WHEN YARDING OVER THE STREAM (OUTSIDE THE PROPOSED CUTTING LINES). SOME YARDING OF TIMBER BY MEANS OF CABLE LOGGING SYSTEMS IS ALSO PROPOSED ACROSS A TYPE 5 STREAM DESCRIBED AS STREAM E IN THE FOREST PRACTICE APPLICATION.

IN CONJUNCTION WITH CABLE LOGGING SYSTEMS, CABLES WILL BE STRUNG OVER, IN OR ADJACENT TO THE TYPE 4 AND 5 STREAMS AND PORTIONS OF THE FORESTED WETLANDS.

WHERE HELICOPTER LOGGING PRACTICES ARE EMPLOYED, LOGS WILL BE YARDED OVER TYPE 4 AND 5 STREAMS AND THE FORESTED WETLANDS BUT THESE LOGS WILL BE FULLY SUSPENDED.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

APPROXIMATELY 115 CUBIC YARDS OF FILL MATERIAL WILL BE PLACED IN A FORESTED WETLAND AREA FOR BALLAST MATERIAL DURING ROAD CONSTRUCTION. THE APPROXIMATE AMOUNT OF AREA TO BE FILLED IS 0.05 ACRES. THE FILL MATERIAL WILL BE OBTAINED FROM ONE OF THE ROCK SOURCES DESCRIBED ABOVE.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

NO.

5) Does the proposal lie within a 100–year floodplain? If so, note location on the site plan.

NO.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

NO

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

NO

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

DOES NOT APPLY

c. Water Runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

THE SOURCE OF RUNOFF WILL BE FROM RAINWATER AND SNOW MELT DURING STORM EVENTS. THE ROADS TO BE BUILT WILL BE CROWNED AND DITCHED SO THAT RUNOFF FROM STORM EVENTS FLOWING OFF ROAD SURFACES WILL FLOW ONTO THE FOREST

FLOOR OR INTO THE ROAD DITCHLINE. THE DITCHLINE FLOW WILL BE DIRECTED THROUGH CROSS DRAIN CULVERTS INSTALLED AT APPROPRIATE LOCATIONS OR VIA DITCHOUTS TO THE FOREST FLOOR.

SURFACE WATER FROM THE WASTE SITES WILL BE DELIVERED TO THE FOREST FLOOR EITHER DIRECTLY OR VIA THE ROAD DITCH AND CROSS DRAIN CULVERTS. RUNOFF IN OTHER PORTIONS OF THE SITE MAY FLOW ACROSS THE FOREST FLOOR TOWARDS OTHER WATERS. GROUND VEGETATION AND LOGGING SLASH WILL HELP TO DISSIPATE THE FLOW AND ALLOW IT TO SOAK INTO THE FOREST FLOOR.

2) Could waste materials enter ground or surface waters? If so, generally describe.
SIGNIFICANT FUEL SPILL FROM EQUIPMENT MAY POTENTIALLY ENTER SURFACE WATERS OR SOAK INTO FOREST FLOOR AND GROUND WATERS. SPILL KITS WILL BE ON SITE DURING EQUIPMENT OPERATION.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
USE OF PROPER ROAD CONSTRUCTION AND MAINTENACE TECHNIQUES INCLUDING THE USE OF DITCHES, CROSS DRAIN CULVERTS AND DITCH OUTS IN AREAS WHERE ROAD CONSTRUCTION WILL OCCUR. MAINTENANCE TECHNIQUES WILL INVOLVE INSPECTION OF ROADS DURING CONSTRUCTION AND USE. IF SIGNIFICANT RUNOFF WITH POTENTIAL TO REACH TYPED WATERS IS OBSERVED, MITIGATION MEASURES WILL BE EMPLOYED SUCH AS DREDGING SEDIMENT FROM DITCHES AND MAINTAINING/IMPROVING THE FILTERING ABILITY OF ROCK WEIRS OR OTHER SEDIMENT TRAPPING DEVICES.

STRAW WILL BE SPREAD ON SPOILS MATERIAL PLACED AT WASTE SITES TO MINIMIZE RUNOFF POTENTIAL. SURFACE WATER RUNOFF FROM THE SITES WILL BE DELIVERED DIRECTLY TO THE FOREST FLOOR OR WILL BE DELIVERED TO THE FOREST FLOOR VIA ROAD DITCHES AND CROSS DRAINS.

GROUND VEGETATION AND LOGGING SLASH WILL HELP REDUCE OR CONTROL SURFACE WATER RUNOFF IMPACTS IN OTHER PORTIONS OF THE SITE.

HELICOPTER LOGGING IS PROPOSED ON A LARGE PORTION OF THE LANDSLIDES IDENTIFIED IN THE GEOTECHNICAL REPORT AS 20a, 20b, AND 20c, ALTHOUGH SOME CABLE LOGGING MAY OCCUR PARTICULARLY ALONG THE NORTHWEST EDGE OF THESE FEATURES. WHERE HELICOPTER LOGGING IS EMPLOYED, LOGS WILL BE FULLY SUSPENDED DURING YARDING REDUCING GROUND DISTURBANCE AND THE POTENTIAL FOR SURFACE AND GROUNDWATER RUNOFF. WHERE CABLE LOGGING IS EMPLOYED ON OR OVER THESE FEATURES, LEADING END SUSPENSION WILL BE UTILIZED. LOGS AND WOOD SLASH WILL BE PLACED ON THE GROUND IF FURROWING IS ANTICIPATED. OTHER MITIGATION MEASURES WILL BE CONSIDERED AND UTILIZED, IF NECESSARY. THESE MITIGATION MEASURES CONSIST OF PLACING STRAW BALES AND/OR LOGGING SLASH, INSTALLING WATER BARS AND/OR DITCHOUTS ON FURROWS, FILLING THE FURROWS WITH SOIL MATERIAL AND SEEDING WITH GRASS. THE MITIGATIONS MEASURES WILL BE IMPLEMENTED AS RECOMMENDED IN THE GEOTECHNICAL REPORT, PAGES 13 AND 14 OF 24, IF DEEP FURROWS ARE OBSERVED IN THE LANDSLIDES IDENTIFIED AS 20a, 20b AND 20c, ESPECIALLY FURROWS WHICH INTERCEPT GROUNDWATER.

4. Plants

a. Check or circle types of vegetation found on the site:
_X_deciduous tree: alder, maple, aspen, other
_X_evergreen tree: fir, cedar, pine, other
_X_shrubs
_X_grass
___pasture

___crop or grain
_X_wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
___water plants: water lily, eelgrass, milfoil, other
_X_other types of vegetation

b. What kind and amount of vegetation will be removed or altered?
CONIFER AND DECIDUOUS TREES WILL BE CLEARCUT FROM THE PROPOSED SITE WITH THE EXCEPTION OF REQUIRED TYPE 4 STREAM BUFFERING AND OTHER LEAVE AREAS NECESSARY TO ADDRESS SLOPE STABILITY CONCERNS.

c. List threatened or endangered species known to be on or near the site.
NONE KNOWN

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:
REPLANT AREA WITH CONIFER SEEDLINGS FOLLOWING HARVEST.

5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other:
mammals: deer, bear, elk, beaver, other: RABBITS
fish: bass, salmon, trout, herring, shellfish, other:

b. List any threatened or endangered species known to be on or near the site.
NONE KNOWN

c. Is the site part of a migration route? If so, explain.
NOT KNOWN

d. Proposed measures to preserve or enhance wildlife, if any:
STREAM BUFFERS HAVE BEEN ESTABLISHED ALONG TYPE 4 STREAMS PER FOREST PRACTICE REQUIREMENTS. ADDITIONAL LEAVE AREAS WILL BE LEFT TO ADDRESS SLOPE STABILITY CONCERNS IN THE AREA.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.
DOES NOT APPLY

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.
DOES NOT APPLY

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:
DOES NOT APPLY

7. Environmental health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.
RISK OF EQUIPMENT FIRE, FUEL SPILL, AND EXPOSURE TO FUELS AND LUBRICANTS. INCREASED RISK OF WILD FIRE WILL EXIST FOR APPROXIMATELY 5 YEARS AFTER THE SITE HAS BEEN HARVESTED.

1) Describe special emergency services that might be required.
HAZMAT TEAM IN THE EVENT OF A LARGE FUEL SPILL. DEPARTMENT OF NATURAL RESOURCES OR LOCAL FIRE DEPARTMENT FIRE SUPPRESSION CREWS AND EQUIPMENT IN THE EVENT OF A FIRE.

2) Proposed measures to reduce or control environmental health hazards, if any:
OPERATORS SHALL HAVE AND MAINTAIN ALL EQUIPMENT IN GOOD AND SAFE OPERATING CONDITION. ALL PETROLEUM PRODUCTS SHALL BE REMOVED FROM THE AREA AND DEPOSITED IN AN APPROVED DISPOSAL AREA. TIMBER HARVEST ACTIVITIES WILL ONLY BE ALLOWED DURING PERIODS OF ACCEPTABLE FIRE HAZARD CONDITIONS PER DNR INDUSTRIAL FIRE CLASS PRECAUTION LEVELS.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?
DOES NOT APPLY

2) What types and levels of noise would be created by or associated with the project on a short–term or a long–term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.
SHORT TERM INCREASE IN NOISE ASSOCIATED WITH ROAD CONSTRUCTION AND HARVEST EQUIPMENT WOULD OCCUR, PRIMARILY DURING DAYLIGHT HOURS.

3) Proposed measures to reduce or control noise impacts, if any:
USE OF APPROVED, STANDARD NOISE SUPPRESSION EQUIPMENT ON MACHINERY.

8. Land and Shoreline use

a. What is the current use of the site and adjacent properties?
COMMERCIAL FOREST LAND

b. Has the site been used for agriculture? If so, describe.
NO

c. Describe any structures on the site.
NONE

d. Will any structures be demolished? If so, what?
DOES NOT APPLY

e. What is the current zoning classification of the site?
COMMERCIAL FOREST LAND

f. What is the current comprehensive plan designation of the site?
COMMERCIAL FOREST LAND

g. If applicable, what is the current shoreline master program designation of the site?
DOES NOT APPLY

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
POTENTIALLY UNSTABLE SLOPES WHICH POSE A HAZARD TO PUBLIC RESOURCES ARE OUTLINED IN THE ATTACHED GEOTECHNICAL REPORT. ADDITIONAL INFORMATION RELATING TO THE GEOTECHNICAL REPORT CAN BE FOUND IN THE SLOPE STABILITY MODEL RESULTS AND SUPPORTING INFORMATION, ALSO ATTACHED.

i. Approximately how many people would reside or work in the completed project?

DOES NOT APPLY

j. Approximately how many people would the completed project displace?
NONE

k. Proposed measures to avoid or reduce displacement impacts, if any:
DOES NOT APPLY

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
NONE

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low–income housing.
DOES NOT APPLY

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low–income housing.
DOES NOT APPLY

c. Proposed measures to reduce or control housing impacts, if any:
DOES NOT APPLY

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
DOES NOT APPLY

b. What views in the immediate vicinity would be altered or obstructed?
VIEWS FROM ROADS IN THE LOCAL VICINITY WOULD BE ALTERED TO SOME DEGREE.

c. Proposed measures to reduce or control aesthetic impacts, if any:
STREAM BUFFERING AND OTHER LEAVE AREAS ON THE SITE WILL HELP TO REDUCE OR CONTROL AESTHETIC IMPACTS.

11. Light and glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
NONE

b. Could light or glare from the finished project be a safety hazard or interfere with views?
NO

c. What existing off–site sources of light or glare may affect your proposal?
NONE

d. Proposed measures to reduce or control light and glare impacts, if any:
NONE

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?
HUNTING, SIGHT SEEING, HIKING, MUSHROOM PICKING

b. Would the proposed project displace any existing recreational uses? If so, describe.
NO

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
FOR SAFETY, THE AREA WILL BE MONITORED AND ACCESS CONTROLLED DURING ROAD CONSTRUCTION AND TIMBER HARVESTING ACTIVITY.

13. Historic and cultural preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.
NONE KNOWN

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.
NONE KNOWN

c. Proposed measures to reduce or control impacts, if any:
NONE PROPOSED

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.
THE SITE IS APPROXIMATELY 20 ROAD MILES SOUTHEAST OF ORTING, WASHINTON AND IS ACCESSED VIA THE ORVILLE AND CAMP 1 COUNTY ROADS AND RAINIER TIMBER CO. LLC PRIVATE ROADS.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
DOES NOT APPLY

c. How many parking spaces would the completed project have? How many would the project eliminate?
DOES NOT APPLY

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).
APPROXIMATELY 1,565 FEET OF NEW FOREST ROAD WILL BE CONSTRUCTED ON PRIVATE TIMBERLAND PROPERTY.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
NO

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.
APPROXIMATELY 20-40 ADDITIONAL VEHICULAR TRIPS PER DAY WOULD BE ANTICIPATED DURING ROAD CONSTRUCTION AND TIMBER HARVEST ACTIVITIES.

g. Proposed measures to reduce or control transportation impacts, if any:
NONE PROPOSED

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.
NO

b. Proposed measures to reduce or control direct impacts on public services, if any.
NONE PROPOSED

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.
NONE

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.
DOES NOT APPLY

C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Robert M. Yapp

Date Submitted: 7/31/03

Approved By:

Date: